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INFORMATION REPORT

COUNTRY Poland

DATE DISTR. 11 February 1948

SUBJECT Activities at Edelstahlwerk Baildonhütte (Birta Baildon), Katowice

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1. The capacity of Edelstahlwerk Baildonhütte (formerly a plant of the Friedenshütte Schlesiische Berg- und Hütten A. G.) Katowice was as follows in September 1947:

a. Open hearth furnaces

Monthly capacity - approximately 3,500 tons
2 furnaces - 15 tons each
1 Siemens Martin tilting open hearth furnace - 20 tons

b. Electric furnaces

Monthly capacity - approximately 1,500 tons
1 "Herold" (? Heroult) arc furnace - 8 tons
1 "Oirod" arc furnace - 8 tons
1 High frequency furnace (3 Parts) total - 5 tons
1 "Viat" electric furnace - 1.5 tons

c. Steel foundry

Monthly capacity - 1,000 tons

d. Hot rolling mills

3 bar mill trains (Stabwalzstrecken)
1 hot wire mill and "Bandstrecke"
1 cogging mill (Blockstrecke) with electrical lifting tables

e. Sheet rolling mills

4 housings for hot sheets of 0.5 - 12 mm thickness
1 housing for cold sheets of 0.5 - 8 mm thickness

f. Apparatus and straightening plant for rolled products:

Pressing and Forging Works - production of forgings up to 6,000 kg. weight

a. 1 2,000 ton steam hydraulic press

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-2-

- b. 1 1,000 steam hydraulic press
- c. 1 series steam and pneumatic hammers ranging from 250-2,000 kg. weight
- d. 1 series swaged forges and burring-off hammers

Heating furnaces

One series of crucible furnaces (Tief - und Topföfen) with appropriate testing apparatus.

Hardening furnaces

Gas-fired and salt bath furnaces: one "Selas" plant with 3 furnaces for 6 m. lengths.

"Blockdreherei und Riegelputzerai" - one series of lathes for the turning of crude blocks: "Riegel" grinders.

g. Mechanical workshop

Carousel lathes up to 2 $\frac{1}{4}$ m. diameter
Lathes up to 10 m length
Wood drills up to 8 m. length

Production: heavy tools and tools for coal mining industry, and all types of "planed" and a proportion of finished ingots.

h. Kaltzieherei Cold Drawing Shop

5 bar cold draw benches, 1 tube draw bench, 1 series wire drawing draws, straightening and cutting machines, polishing and grinding machines.

i. Cold rolling mills

Cold rolling housings for steel strip 10 - 160 mm. width
0.15 mm. thickness and above.

Band cutting machines.

j. Chain works

Monthly capacity - 150 tons
Calibrated and uncalibrated chains (mainly agricultural)

k. Electrode works

Welding electrodes for normal steel and iron weldings
Special electrodes for steel alloys.

l. Twist drills factory

Twist drills from 1 to 100 mm. diameter.

m. Protective shield works

High quality protective shields

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-3-

2. Present Production

- a. Gun parts of all types
- b. Shells up to 21 cm.
- c. Parts for machine guns
- d. Parts for howitzers and high angle howitzers
- e. Long-barreled guns up to 28 cms. (production by centrifugal process)
- f. Gun shields
- g. Periscopes for U-boats, 8 m. long, drilled.
- h. Torpedoes
- i. "Torpedo-Kessel"

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